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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.		
10/720,297	11/24/2003	Joe A. Ortiz	PD-03W081	4117		
23915 75	23915 7590 04/06/2005			EXAMINER		
	CKET ADMINISTRAT	PATEL, RAJNIKANT B				
P.O. BOX 902	YSTEMS COMPANY (E1/E150)	ART UNIT	PAPER NUMBER			
BLDG E1 M S	È150	2838				
EL SEGUNDO	, CA 90245-0902		DATE MAILED: 04/06/2005			

Please find below and/or attached an Office communication concerning this application or proceeding.

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		Application	on No.	Applicant(s)				
Office Action Summary		10/720,29	7	ORTIZ ET AL.	(gw)			
		Examiner		Art Unit				
		Rajnikant	B. Patel	2838				
Period fo	The MAILING DATE of this communication	appears on the	cover sheet with the	e correspondence add	ress			
A SH THE - Exte after - If the - If NC - Failu Any	ORTENED STATUTORY PERIOD FOR RE MAILING DATE OF THIS COMMUNICATIO nsions of time may be available under the provisions of 37 CFF SIX (6) MONTHS from the mailing date of this communication period for reply specified above is less than thirty (30) days, a period for reply is specified above, the maximum statutory per tre to reply within the set or extended period for reply will, by streply received by the Office later than three months after the med patent term adjustment. See 37 CFR 1.704(b).	N. R 1.136(a). In no eve reply within the statu riod will apply and wi atute, cause the appl	ent, however, may a reply be story minimum of thirty (30) of Il expire SIX (6) MONTHS fro ication to become ABANDO	timely filed days will be considered timely. om the mailing date of this com NED (35 U.S.C. § 133).	nmunication.			
Status								
1)[X]	Responsive to communication(s) filed on 2	4 November 20	003.					
•	·	This action is n						
3)□	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.							
Disposit	ion of Claims							
5)□ 6)⊠ 7)□	Claim(s) <u>1-26</u> is/are pending in the applicat 4a) Of the above claim(s) is/are with Claim(s) is/are allowed. Claim(s) <u>1-26</u> is/are rejected. Claim(s) is/are objected to. Claim(s) are subject to restriction and	drawn from co			·			
Applicat	ion Papers							
9) 🗌	The specification is objected to by the Exam	niner.						
10) ☐ The drawing(s) filed on is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.								
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).								
11)□	Replacement drawing sheet(s) including the cor The oath or declaration is objected to by the							
Priority	under 35 U.S.C. § 119							
a)	Acknowledgment is made of a claim for fore All b) Some * c) None of: 1. Certified copies of the priority docum 2. Certified copies of the priority docum 3. Copies of the certified copies of the papplication from the International Bu See the attached detailed Office action for a	nents have bee nents have bee priority docume reau (PCT Rul	n received. n received in Applic ents have been rece e 17.2(a)).	eation No eived in this National S	Stage			
Attachmer	nt(s)							
1) 🔯 Noti	n(s) ce of References Cited (PTO-892) ce of Draftsperson's Patent Drawing Review (PTO-948))	4) Interview Summ Paper No(s)/Mai					
3) Info	rmation Disclosure Statement(s) (PTO-1449 or PTO/SE er No(s)/Mail Date			al Patent Application (PTO-	-152)			
S Patent and	Trademark Office							

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DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) The invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 2. Claims 14- 16 are rejected under 35 U.S.C. 102(b) as being anticipated by Hwang (U.S. Patent # 6,657,417).

Hwang discloses the claimed invention an active-power filter (figure 5-6 and 8-11), including a control circuit (column 6, item 100), output voltage sense signal (figure 6, item P7), a feed-forward signal and current regulation (column 2, line 25-30), pulse-width-modulation (column 2, line 45-55), nominal frequency (column 3, line 50-65)

- 3. Claims 17-19 are rejected under 35 U.S.C. 102(b) as being anticipated by Wittenbreder, Jr. (U.S. Patent # 6,101,108).

 Wittenbreder, Jr. discloses claimed invention an active power filter for regulating input current (figure 5 and 7), including forward converter topology (Abstract, line 1-15).
- 4. Claims 1,14 and 20-26 are rejected under 35 U.S.C. 102(b) as being anticipated by Krein et al. (U.S. Patent # 5,668,464).

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Krein et al. disclose the claimed invention a system for a system (figure 2-5), including a feedforward topology, an active filter and regulating input current (figure 2 and Abstract, line 1-12).

Claim Rejections - 35 USC § 103

- 5. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
- (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 6. Claims 1-13 and 17-19 are rejected under 35 U.S.C. 103(a) as being unpatentable over Jacobs et al. (U.S. Patent # 5,777,866) in combination with Ribarich et al. (U.S. Patent # 6,259,614).

Jacobs et al. disclose the claimed invention an active-power filter (figure 2 and 10-12), including a control circuit (column 3, line 65-68), output voltage sense signal, a feed-forward signal and current regulation (column 4, line 45-60), a nominal frequency (column 6, line 45-55), a summing amplifier (column 5, line 60-65), a pulse width modulator (figure 12, pulse-width modulator and claims 7-11). However Jacobs does not disclose the utilization of the technique for a charge-storage element to store charge from current receive through the rectifying element. Ribarich et al. teaches the utilization of the similar technique for a charge-storage element to store charge from current receive through the rectifying element (column 3, line 5-25). It would have been obvious

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one having an ordinary skill in the art at the time the invention was made to modify

Jacobes et al.'s power factor correction system by utilizing the technique taught by

Ribarich et al. for the purpose of improving power factor with minimal component count.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Rajnikant B. Patel whose telephone number is 305-7042. The examiner can normally be reached on 6.30-5.00; m-f.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Michael Sherry can be reached on 703-308-1680. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Rajnikant B Patel Primary Examiner Art Unit 2838
